Our services

Take advantage of some of the services the PDC offers:

Planning
Project scoping and criteria development using risk and threat analysis.

Engineering Surveys
Protective system recommendations, structural damage surveys, vulnerability assessments and force protection assessments at fixed facilities and forward-deployed sites.

Design Services
Review, consultation or preparation of facility drawings and specifications.

Construction Support
On-site inspections and review of contract specifications and contractor submittals.

Publications
Writing, editing, updating and revising protective design manuals and other publications, reports and regulations.

Training
Short courses that provide the tools to protect people and other critical assets against a wide range of threats - for design professionals, master planners, force protection officers and security

Points of Contact

For more information, contact the Protective Design Center or visit
https://pdc.usace.army.mil

U.S. Army Corps of Engineers
Protective Design Center
1616 Capitol Avenue, Suite 9000
Omaha, Nebraska 68102-9000

Hardened Structures Design
402-995-2390
402-995-2380

Weapons Effects and Explosives Safety
402-995-2389

Chemical, Biological, and Radiological Protection
402-995-2368

Security Engineering and Other Training
402-995-2369
402-995-2393

Security Fencing and Vehicle Barriers
402-995-2394
402-995-2397

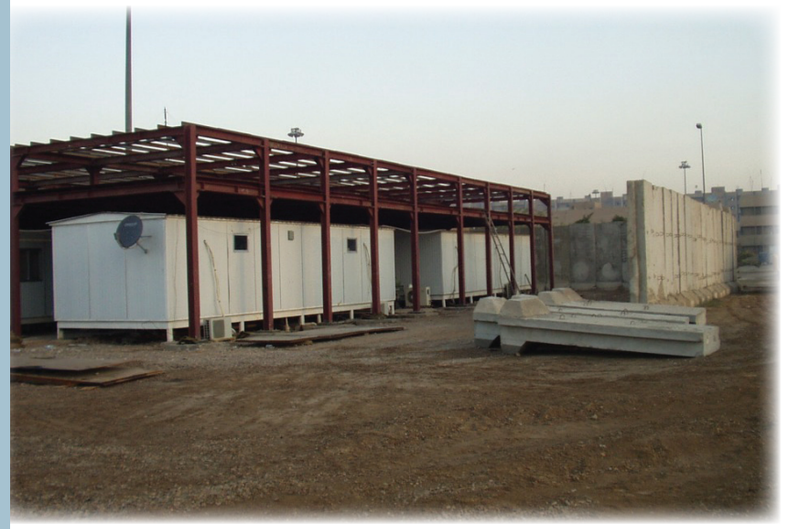
Threat and Vulnerability Assessments/ Site Surveys
402-995-2369
402-995-2374

Antiterrorism Standards and Coordination With Others
402-995-2359

Analysis/Design of Protective Systems
402-995-2360
402-995-2373

Civil Infrastructure Protection
402-995-2362

Protective Design



Overhead Cover - The PDC worked with Engineer Research and Development Center to develop this system of overhead cover protection to protect soldiers against mortar attacks while they eat and sleep. Pictured here is indirect fire weapons protection being installed over offices.

Center of Expertise

Force protection, hardened structures, security engineering and more.

US Army Corps of Engineers ®

Protective Design Center of Expertise

Mission

The mission of the Protective Design Center (PDC) is to provide security engineering services to protect designated assets against criminal and terrorist, threats, and military weapons effects.

Mission areas

The PDC provides security engineering services in support of the military around the world, for civil infrastructure and for other federal and state agencies. This work includes:

- Physical Security and Antiterrorism
- Conventional Weapons Resistant Design
- Nuclear Weapons Resistant Design
- Chemical and Biological Protection
- Explosives Safety
- Support to the Troops
- Infrastructure Protection

Blower Door Test - Leakage rate testing for facility collective protection against chemical/biological threats.

What we do

The PDC uses a proven security engineering approach to develop protective design criteria as well as to devise and implement protective design strategies such as:

- Evaluating research, testing and product development related to protective design.
- Maintaining Corps criteria documents and computer programs related to protective design.
- Coordinating with the private sector in areas of protective design.
- Reviewing programming documents for protective design applications.
- Providing protective design technical support to the Corps.
- Providing security engineering/force protection technical support.
- Providing security engineering/force protection policy support.

For hardened structures, the PDC formulates analytical design methods, develops related computer programs, conducts studies and monitors laboratory research related to weapons effects and facility response.

The center also provides technical support to non-Department of Defense (DoD) agencies and foreign governments when coordinated with, and authorized by, the U.S. Army Corps of Engineers.

Force Protection - Above, a large threat vehicle impacts a double-wall vehicle barrier system.

Improving capabilities

The knowledgeable and dedicated professional PDC staff is continually developing better security engineering standards. The staff is sensitive to project cost issues and works with research agencies to improve the hardness capabilities of standard construction systems through low-cost hardening solutions.

The PDC works within the DoD community to establish research needs, product testing, event analysis and technology transfer. Testing includes small-scale and full-scale testing of structural systems, which is transferred into meaningful design criteria and computer simulation software.

Training others

Training is available in the following areas at various locations around the world:

- Security Engineering
- Minimum Antiterrorism Construction Standards
- Blast Analysis/Design
- Windows in Blast Environment
- Installation Access Control Points

*Mobile training teams are available upon request.